

CLAIMS

1. Use of a pharmaceutically acceptable agent or salt thereof being able to acidify the cell cytoplasm, for the manufacture of a pharmaceutical composition useful for causing immunosuppression in a person or an animal, wherein an effective amount of said agent is administered in an essentially non-dissociated form to the person or animal, and wherein the agent is admixed with a carrier adjusting the pH of the composition to the pH range 6.1 to 7.0.
2. The use according to claim 1 wherein the agent is an acid having its dissociation constant in the range 6.7 to 7.4, preferably in the range 6.9 to 7.3; most preferably about 7.0.
3. The use according to claim 1 or 2, wherein said agent is cis-urocanic acid and wherein the carrier is able to adjust the pH of the composition to 6.5 to 7.0.
4. The use according to any of the claims 1 to 3 for treatment or prevention of a disease or disorder curable by immunosuppression.
5. The use according to claim 4 wherein the disease or disorder is a local or systemic inflammatory disease, an autoimmune disease or an allergic condition.
6. The use according to claim 5 wherein the disease or disorder is a local or systemic inflammatory reaction, most preferably an inflammatory reaction involving the activation of cells of innate immune system, such as, a contact hypersensitivity or delayed type hypersensitivity reactions, acute graft rejection, psoriasis, dermatitis, periodontitis, mastitis, or vasculitis.
7. The use according to any of the foregoing claims wherein the agent is administered systemically or locally, preferably locally, most preferably topically.

8. Pharmaceutical composition comprising as active agent a pharmaceutically acceptable agent or salt thereof being able to acidify the cell cytoplasm, in combination with a pharmaceutically acceptable carrier, which carrier essentially prevents the agent from dissociating at extracellular pH values and wherein the carrier is able to keep the pH of the composition in the range 6.1 to 7.0.
9. The composition according to claim 8 wherein said agent is an acid having its dissociation constant in the range 6.7 to 7.4, preferably in the range 6.9 to 7.3; most preferably about 7.0.
10. The composition according to claim 8 or 9, wherein said agent is cis-urocanic acid and wherein the carrier is able to keep the pH of the composition in the range 6.5 to 7.0.